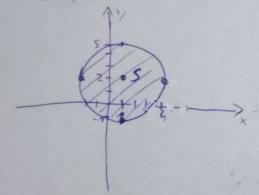
$$D: L = |z^{n}| = ||z|^{n} (\cos m \theta + i \sin m \theta)| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |\cos m \theta + i \sin m \theta| = ||z|^{n}| \cdot |$$

A: 
$$|x+iy-1-2i| \le 3$$
  
 $|x-1+(y-2)i| \le 3$   
 $|x-1+(y-2)i| \le 3$   
 $|x-1|^2+(y-2)^2 \le 3$ /
 $|x-1|^2+(y-2)^2 \le 9$   
 $|x-1|^2+(y-2)^2 \le 9$ 

B: 
$$0 \le \text{Re}(i(x+iy)) \le 1$$
  
 $0 \le \text{Re}(i(x+iy)) \le 1$   
 $0 \le \text{Re}(i(x-y)) \le 1$   
 $0 \le -y \le 1/(-1)$   
 $0 \ge y \ge -1$   
 $y \in (-1,0)$ 



3. 
$$(-\sqrt{3}+i)^{51}$$
  $Z:=-\sqrt{3}+i$   $|z|=\sqrt{3}+i$   $=2$ 

$$|z| = \sqrt{3+1} = 2$$
  
 $\cos \varphi = \frac{\sqrt{3}}{2} = \pi$   $|z| = \pi$ 

Zolen 
$$z^{51} = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(4x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{\pi}{2}) \right] = 2^{51} \left[ \cos(3x^{17} + \frac{\pi}{2}) + i\sin(3x^{17} + \frac{2$$

$$=i.2^{51}$$

4. 
$$z^{2}+z+1=0$$

$$A=1-4=-3 \quad \sqrt{a}=\frac{1}{2} \cdot \sqrt{3}i^{2}$$

$$z=-\frac{1-\sqrt{3}i}{2}$$

$$z=-\frac{1+\sqrt{3}i}{2}$$

$$z=-\frac{1+\sqrt{3}i}{2}$$

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$$z=-\frac{1+\sqrt{3}i}{2}$$

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$$z=-\frac{1}{2}$$

$$cos \varphi = \frac{8}{8iz} = \frac{1}{2}$$

$$sin \varphi = \frac{1}{3}$$

$$sin \varphi = \frac{$$

4、有限(1)等